

# Touffset EG55

## Pure Epoxy Anchor Grout

Touffset EG55 is a multi component anchor cartridge system based on a high grade epoxy resin with superior chemical and abrasion resistance. Touffset EG55 is having high bond strength to concrete, steel, wood and other available substrates. Its suitable for dry, damp and wet substrates.

### FEATURES

- Solvent and Formaldehyde free
- Chemical resistance and waterproof
- Prevent corrosion
- Shrinkage free and high grab.
- High Load Capacity and Uniform distribution of the load
- Impact and vibration resistant.
- Re usable
- Fire rated
- Excellent adhesion , Suitable for horizontal and vertical applications
- Styrene free
- LEED compliant ultralow VOC Level

### FIELD OF APPLICATION

Touffset EG55 is a high strength material with no shrinkage and suitable for anchor grouting in high abrasion, chemical resistance and immersed situations. Common uses are :-

- Fixing to masonry and rock
- Post installation re-bar
- Bonding and Crack sealing applications
- Anchoring structural steels
- Anchors for machinery and cranes
- Fixing of Starter bars, anchor bolts, anchor sockets and threaded studs
- Suitable for extreme temperature variant applications
- Suitable for installation of fence and railing posts, gates, window grills, bathroom fittings, ac units and lights

### Product Properties ( Confirms EAD 330499-00-0601 & EAD 330087-00-0601 )

Solid content	100 %
VOC	Less than 25 g/L ( Comply with LEED requirements )
Consistency	Gel paste
Mixture Density	1.7
Application temperature	5 to 45 °C
Setting time	4 hours



engineered to perform

## Performance

Properties	Value	Standard
Bond strength	29 N/mm <sup>2</sup>	ASTM C-882
Tensile Strength	55 N/mm <sup>2</sup>	ASTM D 638
Flexural strength	70 N/mm <sup>2</sup>	ASTM D 790
Compressive strength	79 N/mm <sup>2</sup>	ASTM D 695 (ISO 604 )
Elongation	4 %	ASTM D 638 ( ISO 527-2 )
Resistance to chemicals	Excellent	
Resistance to solvents, Fuels and oils	Excellent	
Water Absorption	Nil	ASTM D 570
Service temperature	-40 °C to 100 °C	

## Application

### Hole Preparation

Anchor bolt holes should be drilled using air or rotary percussion drilling equipment. If diamond core or non percussive drills are used then sides of the hole must be thoroughly roughened

### Grouting

- Drill hole to the desired correct diameter and depth
- Clean out the hole using a stiff wire or nylon brush and clean compressed air
- Remove the cap and plugs from the cartridge .
- Attached mixer nozzle , place in applicator and dispose the part of the cartridge
- waste until an even colour is achieved
- Insert the mixer nozzle to the far end of the hole and half fill the hole. Withdrawing the nozzle as the hole fills . For deep holes , extension tubing can be used
- Immediately insert the fixing . This should be done slowly with a slight twisting motion
- Excess resin should be removed from the mouth of the hole before it sets
- Leave the fixing undisturbed until loading time is elapsed
- Attach the fixture and tighten the nut

### Packaging

Standard Cartridges

### Shelf Life

Store in dry conditions between 5°C to 40°C. The shelf life is 12 months when unopened and stored correctly.

### Cleaning

Clean all tools and equipment immediately with OrgaCLEAN or any suggested cleaning agent

**Health and Safety** This product is for industrial use only by trained operatives. It is potentially hazardous if not used correctly. Please refer to the Material Safety Data Sheet (MSDS) prior to the purchase and use of this product. The MSDS can be obtained from support@organixbs.com.

